Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
(REV. 8-83) PATENT AND TRADEMARK OFFICEATTORNEY DOCKET NO.
4555-45USAPPLICATION NO.:
09/309,689

INFORMATION DISCLOSURE CITATION

APPLICANT:

Norman Orentreich, et al. OCT 12 1999

FILING DATE:

May 11, 1999

TECH CENTER 1600/2900

GROUP ART UNIT:

1654/653

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U.S. PATENT DOCUMENTS

EX. INIT	DOCU MENT	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
AM		3,152,976	10/1964	Kuntz	530	356	9/24/61
↑		4,404,970	09/1983	Sawyer	128	325	7/22/80
		4,969,912	11/1990	Kelman, et al.	623	66	2/18/88
		5,147,514	09/1992	Mechanic	204	157-68	7/30/90
		5,188,834	02/1993	Grimm, et al.	424	422	5/30/90
		5,328,955	07/1994	Rhee, et al.	525	54-1	7/30/92
		5,332,802	07/1994	Kelman, et al.	530	356	6/11/92
		5,527,856	06/1996	Rhee, et al.	525	54-1	5/12/95
		5,550,187	08/1996	Rhee, et al.	525	54-1	8/18/94
✓		5,628,781	05/1997	Williams, et al.	623	1	9/29/92
AM		5,630,842	05/1997	Brodniewicz	623	8	1/26/94

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AM		Alster, et al., "New Options for Soft Tissue", <u>Skin & Aging</u> , pp. 32-34, 36, (July 1998)
		Asken, Saul, "Microliposuction and Autologous Fat Transplantation for Aesthetic Enhancement of the Aging Face", <u>J. Dermatol. Surg. Oncol.</u> , Vol. 16(10), pp. 965-972, (October 1990)
		Balazs, E.A., et al., "Hyaluronan, Its Crosslinked Derivative -- Hylan -- And Their Medical Applications", <u>Cellulosics Utilization: Research and Rewards in Cellulosics</u> , Proceedings of Nisshinbo International Conference on Cellulosics Utilization in the Near Future, pp. 233-241, (1989)
		Balazs, E., et al., "Hyaluronan, Hylans and Their Medical Applications", <u>The Biotechnology Report</u> , pp. 159-160, (1993)
		Biomatrix Product Information, "Hylaform®", http://www.biomatrix.com/page5.htm , (June 15, 1998)
✓		Boshart, J.M., "Physician Marketing Correspondence," Collagen Corporation (March 30, 1982)
AM		Burges, L.P.A., et al., "Injectable Collagen", <u>Facial Plastic Surgery</u> , Vol. 8, No. 3, pp. 176-182 (July 1992)

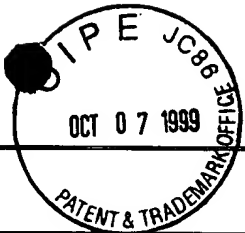
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	APPLICANT: Norman Orentreich, <i>et al.</i>	
	FILING DATE: May 11, 1999	GROUP ART UNIT: 1654/1653

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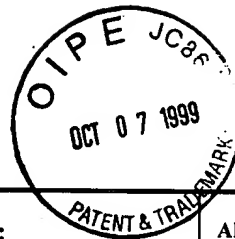
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	Cheung, <i>et al.</i> , "Mechanism of Crosslinking of Proteins by Glutaraldehyde IV: <i>In Vitro</i> and <i>In Vivo</i> Stability of a Crosslinked Collagen Matrix", <u>Connective Tissue Research</u> , Vol. 25, pp. 27-34, (1990)
T	Coleman III, <i>et al.</i> , (eds.), <u>Skin Resurfacing</u> , pp. 217-234, (1998)
	Collagenesis Corporate Profile (1995) (3 pages)
	Collagenesis Press Release (February 6, 1998) (3 pages)
	Davidsohn, I., <i>et al.</i> , <u>Clinical Diagnosis By Laboratory Methods</u> , 15th Edition, Chapter 4, pp. 100-104, (1974)
	Dermalogen™ Product Information, Collagenesis, Inc. (4 pages)
	Elson, M.L., "Soft tissue augmentation: Update 1997", <u>J. Clinical Dermatology</u> , pp. 25-30, (Winter, 1998)
	Elson, M.L., "Soft Tissue Augmentation of Periorbital Fine Lines and the Orbital Groove with Zyderm-I and Fine-Gauge Needles", <u>J. Dermatol. Surg. Oncol.</u> , Vol. 18, pp. 779, 781, (1992)
	Elson, M.L., "Clinical Use of Collagen Injectable Materials", <u>Cosmetic Surgery Update</u> , pp. 15-18
	Feder, B.J., "Biotechnology Unit Has Product to Sell", <u>New York Times</u> , Business Section, pp. 1, 36, (March 27, 1982)
	Feinendegen, <i>et al.</i> , "Autologous Fat Injection for Soft Tissue Augmentation in the Face: A Safe Procedure?" <u>Aesthetic Plastic Surgery</u> , Vol. 22, pp. 163-167, (1998)
	Golcman, <i>et al.</i> , "Fat Transplantation and Facial Contour", <u>Amer. J. of Cosmetic Surgery</u> , Vol. 15, No. 1, pp. 41-44, (1998)
AM	Grabarek, <i>et al.</i> , "Zero-Length Crosslinking Procedure with the Use of Active Esters", <u>Analytical Biochemistry</u> , Vol. 185, pp. 131-135, (1990)

EXAMINER Abdel A. Mohamed **DATE CONSIDERED** 10/2/00

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Norman Orentreich, *et al.*FILING DATE:
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FOREIGN PATENT DOCUMENTS

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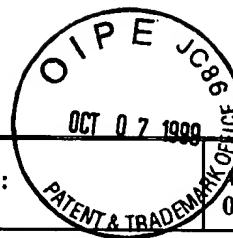
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	"Hylan Gel Shows Promise for Soft Tissue Augmentation", <u>Dermatology Times</u> , p. 11, (March 1994)
	Kaufman, M.J., "New Soft-Tissue Augmentation Substance Has Great 'Potential'", <u>Cosmetic Dermatology</u> , pp. 44-45, (Feb. 1993)
	Larsen, N.E., <i>et al.</i> , "Hylan gel biomaterial: Dermal and immunologic compatibility", <u>Journal of Biomedical Materials Research</u> , Vol. 27, pp. 1129-34, (1993)
	McPherson, <i>et al.</i> , "The preparation and physicochemical characterization of an injectable form of reconstituted, glutaraldehyde cross-linked, bovine corium collagen", <u>J. of Biomedical Materials Research</u> , Vol. 20, pp. 79-92, (1986)
	Moyer, Paula, "New Human Collagen Products May Produce Long-lasting Results", <u>Dermatology Times</u> , pp. 36-37, (March 1998)
	Moyer, Paula, "Autologous Human Collagen: Nonallergenic, but Less Predictable", <u>Dermatology Times</u> , pp. 94-95, (February 1998)
	Nidecker, Anna, "Cultured Fibroblasts Provide New Collagen Source", <u>Skin & Allergy News</u> , p. 43, (March 1998)
	Nimni, M.E., <i>et al.</i> , "Chemically Modified Collagen: A Natural Biomaterial for Tissue Replacement", <u>Journal of Biomedical Materials Research</u> , Vol. 21, pp. 741-771, (1987)
	Olenius, M., "The First Clinical Study Using a New Biodegradable Implant for the Treatment of Lips, Wrinkles, and Folds", <u>Aesth. Plast. Surg.</u> , Vol. 22, pp. 97-101 (1998)
	Parkinson, T.M., "Zyderm® Collagen Implant Safety Notice" Collagen Corporation (March 3, 1983)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	Putnam, F. (ed.), "Fractionation and Isolation of Purified Components by Precipitation Methods", <u>The Plasma Proteins</u> , Vol. 1, Chp. 2, pp 9-50, (1960)
	Pollack, Sheldon V., "Silicone, Fibrel, and Collagen Implantation for Facial Lines and Wrinkles", <u>J. Dermatol. Surg. Oncol.</u> , Vol. 16(10), pp. 957-961, (October 1990)
	Stegman, S.J., <i>et al.</i> , "A Light and Electron Microscopic Evaluation of Zyderm Collagen and Zyplast Implants in Aging Human Facial Skin", <u>Archives of Dermatology</u> , Vol. 123, pp. 1644-49, (December 1987)
	Swanson, N., <i>et al.</i> , "Clarification on the Approved Uses of Injectable Collagen", <u>American Society for Dermatologic Surgery Newsletter</u> , Vol. 2, No. 2, pp. 1-2 (May 1992)
	Swinehart, James M., "Dermal Pocket Grafting: Implants of Dermis, Fat, and 'Autologous Collagen' for Permanent Correction of Cutaneous Depressions", <u>International Journal of Aesthetic and Restorative Surgery</u> , Vol. 2, No. 1, pp. 43-52, (1994)
	Timkovich, R., "Detection of the Stable Addition of Carbodiimide to Proteins", <u>Analytical Biochemistry</u> , Vol. 79, 135-143 (1977)
	Udenfriend, S., <i>et al.</i> , "Fluorescamine: A Reagent for Assay of Amino Acids, Peptides, Proteins, and Primary Amines in the Picomole Range", <u>Science</u> , Vol. 178, pp. 871-872, (Nov. 1972)
	Wang, Y.J., <i>et al.</i> , "Review of Excipients and pH's for Parenteral Products Used in the United States", <u>Journal of the Parenteral Drug Association</u> , Vol. 34, No. 6, pp. 452-462; (November-December 1980)
	Warden, J., "Blood supplies to be treated to reduce CJD risk", <u>BMJ</u> , 317:232, http://www.bmj.com/cgi/content/full/317/7153/232/a (July 27, 1998)
	West, T.B., <i>et al.</i> , "Autologous Human Collagen and Dermal Fibroblasts for Soft Tissue Augmentation", <u>American Society for Dermatologic Surgery, Inc.</u> , Vol. 24, pp. 510-512, (1998)
	Wilchek, M., <i>et al.</i> , "A Highly Sensitive Colorimetric Method for the Determination of Carbodiimides" <u>Analytical Biochemistry</u> , Vol. 114, pp. 419-421, (1981)
✓	Wong, S.S., <u>Chemistry of Protein Conjugation and Cross-Linking</u> , pp. 39-40, 195-207 (1991)
AM	Zyderm® 1&2/Zyplast® Product Information, Collagen Corporation (1997) (4 pages)

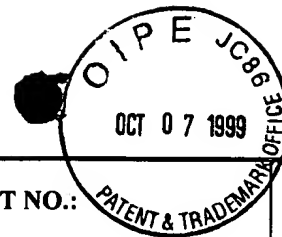
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	"Zyderm® Collagen Explained", Collagen Corporation, (1983) (3 pages)
	"The Collagen Answer for Each Indication", Collagen Corp. (1 page)
	Zyderm® Collagen Implant -Package Insert (3 pages)
	Zyderm® 1&2/Zyplast® Product Information, Collagen Corporation (1998) (1 page)
	Zyderm™ Product Information, Collagen Corporation (1981) (4 pages)
	Zyderm™ Product Information, Collagen Corporation (November 1981) (8 pages)
	"3% Have Positive Skin Test Response to Implantable Bovine Collagen", <u>Skin & Allergy News</u> pp. 1, 3 (1982)

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